

# **ADEQ** **Meeting Minutes**

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## **Klondyke Tailings Water Quality Assurance Revolving Fund (WQARF) Site Community Advisory Board (CAB) Meeting**

### **DRAFT MINUTES**

Thursday, September 25, 2008  
Klondyke School House  
500 ft Southwest of 36951 Klondyke Road  
Klondyke, Arizona

OU# 09-043

CAB Members present: Mark Haberstich (Co-chair), Lynn Skinner (Co-chair), Bill Griffin, and Cathy Gorman

CAB Members absent: Mark Herrington, John Luepke, Noralea Gale, Lauralea Bott, and Michael Bryce

ADEQ Staff in attendance: Scott Goodwin (Project Manager), Felicia Calderon (Community Involvement Coordinator), and Mel Taylor (SE Community Liaison)

Members of the public present: Jay and Ginny Schnell, Bonnie Garwood, Don Lackner, Phillip Hedrick, and John A. Stoddard

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The meeting began at 4:15 p.m.

### **1. Call to Order/Introductions**

Ms. Calderon opened the meeting. Introductions of Community Advisory Board (CAB) members, ADEQ staff, and members of the public were made.

### **2. Acceptance and/or Changes to April 3, 2008 Meeting Minutes**

A quorum was not present at the meeting so this agenda item was held until the next meeting.

### **3. Current Status and Activities at Klondyke WQARF Site - Scott Goodwin**

#### **A. Update on construction of erosion protection on upper pile**

Mr. Goodwin reviewed the installation of erosion protection and clean soil cap on the upstream tailings pile through various photos from the site.

**See presentation below**

Details regarding the gabion mattress construction and type of seed that was planted on the cap of the upper tailings pile were discussed.

**B. Update on the status of the investigation of Grand Reef Mine**

Mr. Goodwin provided and reviewed results from soil samples collected by the University of Arizona and ADEQ.

**See presentation below**

**C. Update on the status of residential removal assessment**

Mr. Goodwin advised the CAB that ADEQ was working on options for removal actions on residential properties.

**See presentation below**

Discussion ensued on residential soil removal options, sources of soil contamination, and potentially responsible party searches.

**4. New CAB Co-Chair nominations and voting**

A quorum was not present at the meeting so this agenda item was held until the next meeting.

**5. Call to the Public**

None

**6. Future Meeting and Agenda Discussion**

The next CAB meeting was scheduled for Thursday, April 2, 2009 at 4 p.m. at the Graham County General Services Building in Safford. Proposed agenda items for the next meeting included: Co-Chair voting and distribution of the WQARF 2008 Annual Registry Report.

**7. Adjournment**

Ms. Calderon adjourned the meeting.



# Klondyke Tailings Water Quality Assurance Revolving Fund (WQARF) Site

September 25, 2008



## Update- Construction of Erosion Protection and Cap on Upstream pile

- During June 2008, ADEQ and URS completed installation of erosion protection and clean soil cap on the upstream tailings pile. Total project costs were approximately 3.5 million dollars.





Upstream tailings pile after clearing at start of project





## Rough grade of tailings completed







Two feet of clean soil cap placed over tailings







## Installation of geotextile and gabions over clean soil cap





## West side gabion mattresses filled with rip-rap





## Tops of gabion mattresses being installed







## Overview of upstream tailings pile nearing completion





## Gabions mattresses and clean soil cap line







## Final grade of clean soil cap





## Update- Status of the Investigation of Grand Reef Mine

- URS visited the Grand Reef Mine area to document the amount and location of tailings and collect soil samples on June 5, 2008.
- Lead concentrations in the area of the mine range from 13,000 to 170,000 parts per million.
- Samples collected by the University of Arizona and ADEQ indicated contribution from material washed down Laurel Canyon may be in the range of 700 to 1,000 parts per million in the area near the Klondyke site.





Photograph 2: Tailing pile on west bank of Laurel Creek 1/5-mile south of Grand Reef Mine (upstream to right). Tailings are red-brown silty clay, finely laminated, and display a whitish crust on the exposed face from evaporation of fluids on tailing surface. Samples GR-2 and GR-5 collected here.





Photograph 4: Laurel Creek downstream from Grand Reef Mine, located in cliff to the left. Red-brown fine-to coarse-grained tailings/waste rock on south bank of creek. View to the northeast.



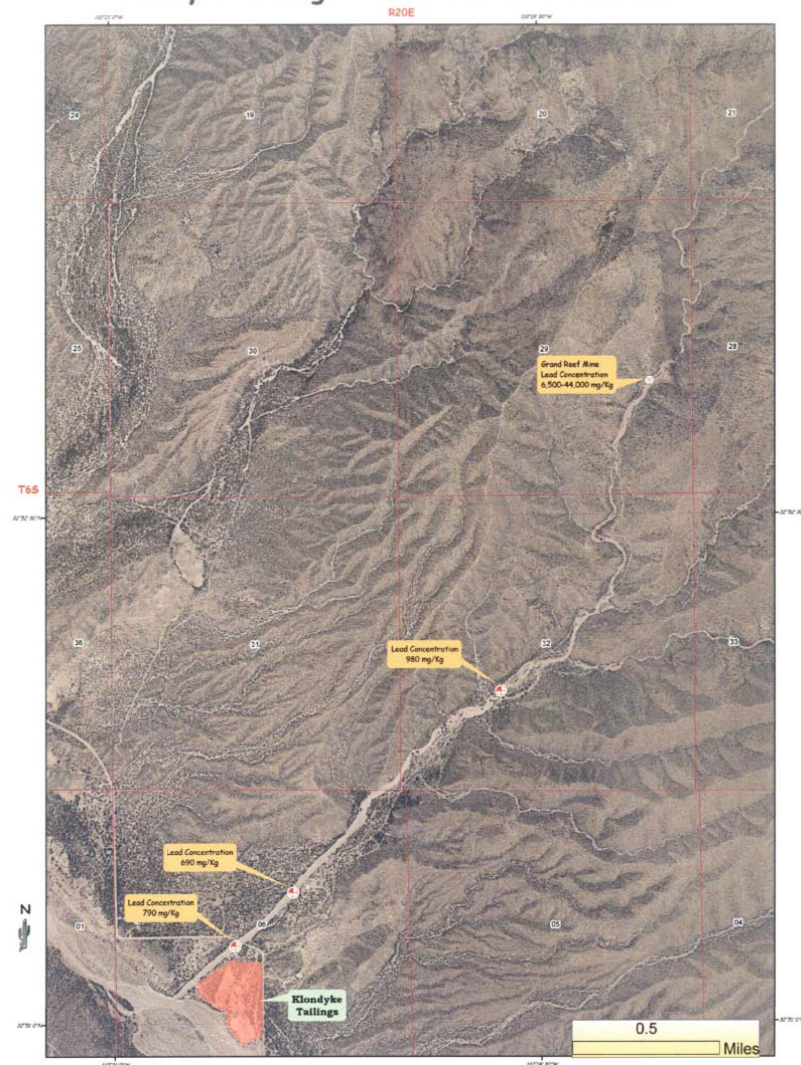


Photograph 6: Tailing or waste rock pile on south side of Laurel Creek across from Grand Reef Mine. View to the southwest.





### Klondyke Tailings - Grand Reef Mine Area







# Update- Status of Residential Removal Assessment

- ADEQ is currently requesting assistance from the EPA to determine the scope of the removal on residential properties near the site.
- ADEQ and URS are working on options for removal actions on residential properties.



Questions?





# Contact Information

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